EXCEEDANCE TYPES
June 27 –July 11, 2006

According to the Washington Department of Ecology TDG variance for 2005 spill season, the Corps is required to provided the following information on exceedances of the 120% TDG in tailwater and 115% TDG in forebay water quality standards:

1. Date and times of exceedance
2. Amount of exceedance in percent saturation
3. Explain reason for exceedance
4. Discuss steps taken to fix the problem.

In order to provide the above information, the Corps has developed the following list of reasons that exceedances occur.

TDG EXCEEDANCE TRACKING
Types of Exceedances:
1. Exceedance due to high runoff flows and flood control efforts
2. Exceedance due to Intertie line outages
3. Exceedance due to unit outages during repair or maintenance
4. Exceedance due to BPA is unable to handle load so they had to spill
5. Exceedance due to a break down in communication. (e.g. Teletype transmission failure or project operator misinterpreted teletype)
6. Exceedance due to uncertainties when using best professional judgment to apply the spill guidance criteria (travel time; degassing; water temperature effects; spill patterns)
7. Exceedance due to high TDG levels coming from the Mid-Columbia Projects (see Pasco FMS readings).
8. Exceedance due to high TDG levels coming from the Snake Projects (See Ice Harbor Dam tailwater FMS readings)
9. Exceedance due to a load rejection, the powerhouse was not working and the river was spilled.
10. Exceedance due to failure of FMS gages, database outage, and satellite failures, etc
11. Exceedance due to other unanticipated mechanical problems/maintenance operations (gate was stuck open, passing debris etc.)
12. Exceedance due to sharp rise in water temperature (a 3 to 5 degree F. change in a day).
13. Exceedance due to bulk spill pattern being used which generated more TDG than expected.
14. Exceedance due to non-functioning of flow deflectors during tailwater elevation above 19 ft and especially above 26 ft.

Exceedances are being tracked and the following table is the results for the 2006 spill season from June 27 to July 11, 2006.

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
6/27/06	---	---	---	**12**	---	**12**	---	**12**	**7**	---	**6**	---	**3**	---	**6**	---	**6**
6/28/06	---	---	---	---	**6**	---	**6**	---	**7**	---	---	---	---	---	---	---	---
6/29/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/30/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/1/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/2/06	---	**10**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/3/06	---	**10**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/4/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/5/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/6/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/7/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/8/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/9/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/10/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/11/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---